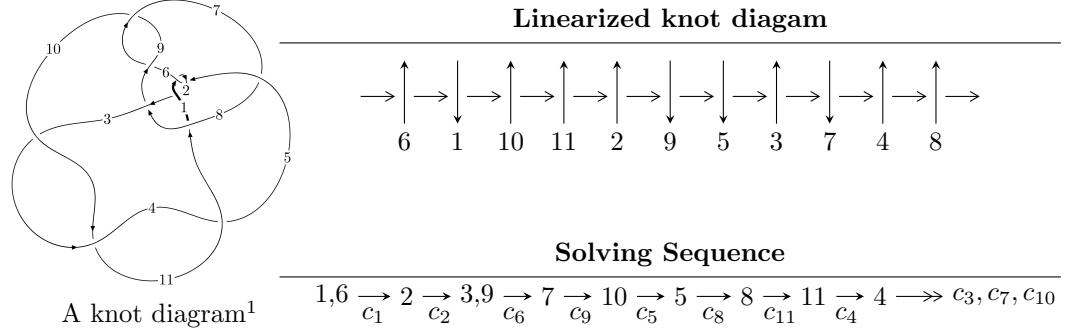


$11a_{151}$ ($K11a_{151}$)



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 5.94710 \times 10^{52} u^{65} + 1.17236 \times 10^{53} u^{64} + \dots + 8.35081 \times 10^{52} b + 2.54635 \times 10^{53},$$

$$- 8.47686 \times 10^{52} u^{65} - 1.39894 \times 10^{53} u^{64} + \dots + 1.19297 \times 10^{52} a - 2.19440 \times 10^{53}, u^{66} + 2u^{65} + \dots + 4u +$$

$$I_2^u = \langle u^2 + 7b + 6u + 4, -u^2 + a - u - 2, u^3 + u^2 + 2u + 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 69 representations.

¹The image of knot diagram is generated by the software “**Draw programme**” developed by Andrew Bartholomew(<http://www.layer8.co.uk/math/draw/index.htm#Running-draw>), where we modified some parts for our purpose(<https://github.com/CATsTAILs/LinksPainter>).

²All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

I.

$$I_1^u = \langle 5.95 \times 10^{52} u^{65} + 1.17 \times 10^{53} u^{64} + \dots + 8.35 \times 10^{52} b + 2.55 \times 10^{53}, -8.48 \times 10^{52} u^{65} - 1.40 \times 10^{53} u^{64} + \dots + 1.19 \times 10^{52} a - 2.19 \times 10^{53}, u^{66} + 2u^{65} + \dots + 4u + 1 \rangle$$

(i) **Arc colorings**

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} u^2 + 1 \\ -u^2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 7.10566u^{65} + 11.7265u^{64} + \dots + 31.4641u + 18.3944 \\ -0.712158u^{65} - 1.40388u^{64} + \dots - 2.74081u - 3.04922 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 8.72726u^{65} + 14.2298u^{64} + \dots + 35.4678u + 22.1382 \\ -2.15625u^{65} - 3.59400u^{64} + \dots - 6.93271u - 6.34045 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -5.31162u^{65} - 8.22686u^{64} + \dots - 15.8436u - 12.2934 \\ 3.63832u^{65} + 5.58995u^{64} + \dots + 12.4635u + 8.35519 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 7.66328u^{65} + 12.2341u^{64} + \dots + 30.8189u + 18.9851 \\ -1.32415u^{65} - 2.02616u^{64} + \dots - 2.81894u - 3.05516 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -8.35519u^{65} - 13.0721u^{64} + \dots - 33.0049u - 20.9573 \\ 2.39639u^{65} + 3.80632u^{64} + \dots + 8.95306u + 5.31162 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 9.70575u^{65} + 15.5979u^{64} + \dots + 36.1966u + 23.0110 \\ -3.81358u^{65} - 6.82103u^{64} + \dots - 15.8119u - 9.70575 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 9.70575u^{65} + 15.5979u^{64} + \dots + 36.1966u + 23.0110 \\ -3.81358u^{65} - 6.82103u^{64} + \dots - 15.8119u - 9.70575 \end{pmatrix}$$

(ii) **Obstruction class** = -1

(iii) **Cusp Shapes** = $-8.99978u^{65} - 13.8805u^{64} + \dots - 26.7379u - 16.3346$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5	$u^{66} - 2u^{65} + \cdots - 4u + 1$
c_2	$u^{66} + 30u^{65} + \cdots + 2u + 1$
c_3, c_4, c_{10}	$u^{66} - 2u^{65} + \cdots - u^2 - 1$
c_6, c_9	$u^{66} - 4u^{65} + \cdots + 491u - 49$
c_7	$7(7u^{66} - 18u^{65} + \cdots + 13446u - 999)$
c_8	$7(7u^{66} - 10u^{65} + \cdots + 1391u + 241)$
c_{11}	$u^{66} - 5u^{65} + \cdots - 3108u + 392$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{66} + 30y^{65} + \cdots + 2y + 1$
c_2	$y^{66} + 14y^{65} + \cdots + 14y + 1$
c_3, c_4, c_{10}	$y^{66} - 62y^{65} + \cdots + 2y + 1$
c_6, c_9	$y^{66} - 36y^{65} + \cdots - 105155y + 2401$
c_7	$49(49y^{66} + 2434y^{65} + \cdots - 8.20438 \times 10^7 y + 998001)$
c_8	$49(49y^{66} + 880y^{65} + \cdots - 442127y + 58081)$
c_{11}	$y^{66} - 21y^{65} + \cdots - 925904y + 153664$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.886940 + 0.437138I$		
$a = -1.43804 + 0.06126I$	$6.34153 + 10.49840I$	$7.22778 - 5.33949I$
$b = 0.278206 - 1.239240I$		
$u = -0.886940 - 0.437138I$		
$a = -1.43804 - 0.06126I$	$6.34153 - 10.49840I$	$7.22778 + 5.33949I$
$b = 0.278206 + 1.239240I$		
$u = 0.900019 + 0.409306I$		
$a = 1.287910 + 0.018413I$	$0.06237 - 6.42817I$	$0. + 5.79651I$
$b = -0.259301 - 0.971541I$		
$u = 0.900019 - 0.409306I$		
$a = 1.287910 - 0.018413I$	$0.06237 + 6.42817I$	$0. - 5.79651I$
$b = -0.259301 + 0.971541I$		
$u = -0.301350 + 0.971582I$		
$a = 1.01800 + 1.10633I$	$0.012797 + 0.793621I$	0
$b = -0.559633 + 0.170616I$		
$u = -0.301350 - 0.971582I$		
$a = 1.01800 - 1.10633I$	$0.012797 - 0.793621I$	0
$b = -0.559633 - 0.170616I$		
$u = 0.372330 + 0.966152I$		
$a = -0.71705 + 1.22172I$	$-4.16615 + 1.29044I$	0
$b = 0.635335 - 0.613059I$		
$u = 0.372330 - 0.966152I$		
$a = -0.71705 - 1.22172I$	$-4.16615 - 1.29044I$	0
$b = 0.635335 + 0.613059I$		
$u = -0.789339 + 0.681407I$		
$a = -0.170305 - 0.711151I$	$1.79345 - 2.44057I$	0
$b = 0.612194 + 0.634929I$		
$u = -0.789339 - 0.681407I$		
$a = -0.170305 + 0.711151I$	$1.79345 + 2.44057I$	0
$b = 0.612194 - 0.634929I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.893203 + 0.332658I$		
$a = -1.067730 + 0.068534I$	$0.93680 + 1.27321I$	$6.69528 - 2.55768I$
$b = 0.060619 - 0.632472I$		
$u = -0.893203 - 0.332658I$		
$a = -1.067730 - 0.068534I$	$0.93680 - 1.27321I$	$6.69528 + 2.55768I$
$b = 0.060619 + 0.632472I$		
$u = 0.010647 + 0.950386I$		
$a = 0.878581 + 0.110969I$	$4.00663 + 3.04870I$	$3.98275 - 2.96326I$
$b = 0.018046 + 0.954751I$		
$u = 0.010647 - 0.950386I$		
$a = 0.878581 - 0.110969I$	$4.00663 - 3.04870I$	$3.98275 + 2.96326I$
$b = 0.018046 - 0.954751I$		
$u = 0.861313 + 0.608674I$		
$a = 0.420830 - 0.985449I$	$7.36680 + 6.32316I$	0
$b = -1.035080 + 0.573403I$		
$u = 0.861313 - 0.608674I$		
$a = 0.420830 + 0.985449I$	$7.36680 - 6.32316I$	0
$b = -1.035080 - 0.573403I$		
$u = 0.538866 + 0.909098I$		
$a = -0.472812 + 0.706075I$	$3.51441 + 1.89915I$	0
$b = 5.56489 + 0.30058I$		
$u = 0.538866 - 0.909098I$		
$a = -0.472812 - 0.706075I$	$3.51441 - 1.89915I$	0
$b = 5.56489 - 0.30058I$		
$u = -0.477372 + 0.943179I$		
$a = 0.324367 + 0.983761I$	$-2.01954 - 2.54235I$	0
$b = -1.73724 - 2.48467I$		
$u = -0.477372 - 0.943179I$		
$a = 0.324367 - 0.983761I$	$-2.01954 + 2.54235I$	0
$b = -1.73724 + 2.48467I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.706967 + 0.574992I$		
$a = -0.344274 - 0.907805I$	$2.68558 - 1.37819I$	$7.68512 + 2.61183I$
$b = -0.497576 + 1.179170I$		
$u = 0.706967 - 0.574992I$		
$a = -0.344274 + 0.907805I$	$2.68558 + 1.37819I$	$7.68512 - 2.61183I$
$b = -0.497576 - 1.179170I$		
$u = -0.742966 + 0.521978I$		
$a = 0.391741 - 1.288390I$	$9.13813 + 4.00163I$	$10.02198 - 1.95783I$
$b = 0.73070 + 1.45249I$		
$u = -0.742966 - 0.521978I$		
$a = 0.391741 + 1.288390I$	$9.13813 - 4.00163I$	$10.02198 + 1.95783I$
$b = 0.73070 - 1.45249I$		
$u = -0.422028 + 1.013150I$		
$a = 0.42251 + 1.48918I$	$-0.83525 - 3.14253I$	0
$b = -1.47500 - 1.02933I$		
$u = -0.422028 - 1.013150I$		
$a = 0.42251 - 1.48918I$	$-0.83525 + 3.14253I$	0
$b = -1.47500 + 1.02933I$		
$u = 0.490775 + 1.009750I$		
$a = 0.050202 + 1.234540I$	$-3.33981 + 4.65284I$	0
$b = 1.73077 - 1.49983I$		
$u = 0.490775 - 1.009750I$		
$a = 0.050202 - 1.234540I$	$-3.33981 - 4.65284I$	0
$b = 1.73077 + 1.49983I$		
$u = 0.496332 + 0.710814I$		
$a = -0.254141 + 0.800937I$	$4.10544 + 2.40688I$	$5.61601 - 0.93346I$
$b = 0.81193 + 2.11193I$		
$u = 0.496332 - 0.710814I$		
$a = -0.254141 - 0.800937I$	$4.10544 - 2.40688I$	$5.61601 + 0.93346I$
$b = 0.81193 - 2.11193I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.386686 + 0.758034I$		
$a = 0.593747 + 0.711855I$	$-1.32206 - 1.19867I$	$-0.30232 + 8.95765I$
$b = 0.586006 + 1.214530I$		
$u = -0.386686 - 0.758034I$		
$a = 0.593747 - 0.711855I$	$-1.32206 + 1.19867I$	$-0.30232 - 8.95765I$
$b = 0.586006 - 1.214530I$		
$u = -0.516301 + 1.034960I$		
$a = -0.396217 + 1.250800I$	$1.42288 - 7.01342I$	0
$b = -1.66301 - 1.61916I$		
$u = -0.516301 - 1.034960I$		
$a = -0.396217 - 1.250800I$	$1.42288 + 7.01342I$	0
$b = -1.66301 + 1.61916I$		
$u = -0.640786 + 0.965266I$		
$a = -0.478037 + 0.069398I$	$0.94099 - 2.93508I$	0
$b = -0.261638 - 0.444397I$		
$u = -0.640786 - 0.965266I$		
$a = -0.478037 - 0.069398I$	$0.94099 + 2.93508I$	0
$b = -0.261638 + 0.444397I$		
$u = 0.747809 + 0.382078I$		
$a = 0.982939 + 0.436312I$	$8.51869 + 1.38556I$	$10.68003 - 0.04077I$
$b = 0.605214 - 0.686874I$		
$u = 0.747809 - 0.382078I$		
$a = 0.982939 - 0.436312I$	$8.51869 - 1.38556I$	$10.68003 + 0.04077I$
$b = 0.605214 + 0.686874I$		
$u = 0.612668 + 1.023980I$		
$a = 0.794130 + 0.357693I$	$1.33847 + 6.45954I$	0
$b = 0.395162 - 1.268380I$		
$u = 0.612668 - 1.023980I$		
$a = 0.794130 - 0.357693I$	$1.33847 - 6.45954I$	0
$b = 0.395162 + 1.268380I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.127139 + 0.784024I$		
$a = -0.776775 + 0.573919I$	$-1.72069 - 1.07315I$	$-1.43813 + 5.39557I$
$b = -0.042614 + 0.780889I$		
$u = 0.127139 - 0.784024I$		
$a = -0.776775 - 0.573919I$	$-1.72069 + 1.07315I$	$-1.43813 - 5.39557I$
$b = -0.042614 - 0.780889I$		
$u = -0.618729 + 1.050950I$		
$a = -1.057990 + 0.338143I$	$7.56649 - 9.18924I$	0
$b = -0.12777 - 1.65559I$		
$u = -0.618729 - 1.050950I$		
$a = -1.057990 - 0.338143I$	$7.56649 + 9.18924I$	0
$b = -0.12777 + 1.65559I$		
$u = -0.073346 + 1.249270I$		
$a = -0.459853 - 0.956008I$	$0.33897 + 7.84486I$	0
$b = -0.043571 + 0.947032I$		
$u = -0.073346 - 1.249270I$		
$a = -0.459853 + 0.956008I$	$0.33897 - 7.84486I$	0
$b = -0.043571 - 0.947032I$		
$u = 0.721856 + 1.027070I$		
$a = 0.704898 - 0.295214I$	$6.10958 - 0.48289I$	0
$b = -0.614618 - 0.468031I$		
$u = 0.721856 - 1.027070I$		
$a = 0.704898 + 0.295214I$	$6.10958 + 0.48289I$	0
$b = -0.614618 + 0.468031I$		
$u = 0.564876 + 1.135130I$		
$a = -0.073078 - 0.707525I$	$6.26544 + 3.61924I$	0
$b = -0.58777 + 1.86360I$		
$u = 0.564876 - 1.135130I$		
$a = -0.073078 + 0.707525I$	$6.26544 - 3.61924I$	0
$b = -0.58777 - 1.86360I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.104431 + 1.298250I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.292746 - 0.847286I$	$-5.91703 - 3.42293I$	0
$b = -0.003012 + 0.940640I$		
$u = 0.104431 - 1.298250I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.292746 + 0.847286I$	$-5.91703 + 3.42293I$	0
$b = -0.003012 - 0.940640I$		
$u = -0.648304 + 1.133230I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.040925 - 1.149180I$	$4.2340 - 16.1582I$	0
$b = 1.78851 + 1.92707I$		
$u = -0.648304 - 1.133230I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.040925 + 1.149180I$	$4.2340 + 16.1582I$	0
$b = 1.78851 - 1.92707I$		
$u = 0.644245 + 1.145510I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.094859 - 1.051470I$	$-2.16297 + 12.09950I$	0
$b = -1.59384 + 1.71257I$		
$u = 0.644245 - 1.145510I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.094859 + 1.051470I$	$-2.16297 - 12.09950I$	0
$b = -1.59384 - 1.71257I$		
$u = -0.627293 + 1.165180I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.102093 - 0.901979I$	$-1.53699 - 6.84958I$	0
$b = 1.22622 + 1.56395I$		
$u = -0.627293 - 1.165180I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.102093 + 0.901979I$	$-1.53699 + 6.84958I$	0
$b = 1.22622 - 1.56395I$		
$u = -0.503518 + 0.347045I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.95488 - 0.23615I$	$3.23237 + 2.81118I$	$6.49138 - 3.43190I$
$b = -0.551149 + 1.270420I$		
$u = -0.503518 - 0.347045I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.95488 + 0.23615I$	$3.23237 - 2.81118I$	$6.49138 + 3.43190I$
$b = -0.551149 - 1.270420I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.263360 + 1.365470I$	$-4.52691 - 2.53329I$	0
$a = -0.207188 - 0.642987I$		
$b = 0.127253 + 0.960247I$		
$u = -0.263360 - 1.365470I$	$-4.52691 + 2.53329I$	0
$a = -0.207188 + 0.642987I$		
$b = 0.127253 - 0.960247I$		
$u = -0.427074$	0.801791	12.7100
$a = -0.433828$		
$b = -0.336075$		
$u = 0.308392 + 0.295184I$	$-1.70503 - 0.88678I$	$-1.07228 + 2.74548I$
$a = -2.16318 + 0.94286I$		
$b = 0.436188 + 0.731540I$		
$u = 0.308392 - 0.295184I$	$-1.70503 + 0.88678I$	$-1.07228 - 2.74548I$
$a = -2.16318 - 0.94286I$		
$b = 0.436188 - 0.731540I$		
$u = -0.407213$	1.47039	6.43280
$a = 3.44853$		
$b = -1.05852$		

$$\text{II. } I_2^u = \langle u^2 + 7b + 6u + 4, -u^2 + a - u - 2, u^3 + u^2 + 2u + 1 \rangle$$

(i) Arc colorings

$$\begin{aligned} a_1 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_6 &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_2 &= \begin{pmatrix} 1 \\ -u^2 \end{pmatrix} \\ a_3 &= \begin{pmatrix} u^2 + 1 \\ -u^2 \end{pmatrix} \\ a_9 &= \begin{pmatrix} u^2 + u + 2 \\ -\frac{1}{7}u^2 - \frac{6}{7}u - \frac{4}{7} \end{pmatrix} \\ a_7 &= \begin{pmatrix} u^2 + u + 2 \\ -\frac{1}{7}u^2 + \frac{1}{7}u - \frac{4}{7} \end{pmatrix} \\ a_{10} &= \begin{pmatrix} 0 \\ -u \end{pmatrix} \\ a_5 &= \begin{pmatrix} -u \\ -u^2 - u - 1 \end{pmatrix} \\ a_8 &= \begin{pmatrix} \frac{4}{7}u^2 + \frac{3}{7}u + \frac{9}{7} \\ 0 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_4 &= \begin{pmatrix} u^2 + 1 \\ -u^2 - u - 1 \end{pmatrix} \\ a_4 &= \begin{pmatrix} u^2 + 1 \\ -u^2 - u - 1 \end{pmatrix} \end{aligned}$$

(ii) Obstruction class = 1

$$(iii) \text{ Cusp Shapes} = \frac{204}{49}u^2 + \frac{517}{49}u + \frac{368}{49}$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^3 + u^2 + 2u + 1$
c_2	$u^3 + 3u^2 + 2u - 1$
c_3, c_4	$u^3 + u^2 - 1$
c_5	$u^3 - u^2 + 2u - 1$
c_6	$(u - 1)^3$
c_7	$7(7u^3 + u^2 - 4u + 1)$
c_8	$7(7u^3 - u^2 + u + 1)$
c_9	$(u + 1)^3$
c_{10}	$u^3 - u^2 + 1$
c_{11}	u^3

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^3 + 3y^2 + 2y - 1$
c_2	$y^3 - 5y^2 + 10y - 1$
c_3, c_4, c_{10}	$y^3 - y^2 + 2y - 1$
c_6, c_9	$(y - 1)^3$
c_7	$49(49y^3 - 57y^2 + 14y - 1)$
c_8	$49(49y^3 + 13y^2 + 3y - 1)$
c_{11}	y^3

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.215080 + 1.307140I$		
$a = 0.122561 + 0.744862I$	$-4.66906 - 2.82812I$	$-1.67995 + 11.45076I$
$b = -0.149595 - 1.040080I$		
$u = -0.215080 - 1.307140I$		
$a = 0.122561 - 0.744862I$	$-4.66906 + 2.82812I$	$-1.67995 - 11.45076I$
$b = -0.149595 + 1.040080I$		
$u = -0.569840$		
$a = 1.75488$	-0.531480	2.84970
$b = -0.129382$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^3 + u^2 + 2u + 1)(u^{66} - 2u^{65} + \dots - 4u + 1)$
c_2	$(u^3 + 3u^2 + 2u - 1)(u^{66} + 30u^{65} + \dots + 2u + 1)$
c_3, c_4	$(u^3 + u^2 - 1)(u^{66} - 2u^{65} + \dots - u^2 - 1)$
c_5	$(u^3 - u^2 + 2u - 1)(u^{66} - 2u^{65} + \dots - 4u + 1)$
c_6	$((u - 1)^3)(u^{66} - 4u^{65} + \dots + 491u - 49)$
c_7	$49(7u^3 + u^2 - 4u + 1)(7u^{66} - 18u^{65} + \dots + 13446u - 999)$
c_8	$49(7u^3 - u^2 + u + 1)(7u^{66} - 10u^{65} + \dots + 1391u + 241)$
c_9	$((u + 1)^3)(u^{66} - 4u^{65} + \dots + 491u - 49)$
c_{10}	$(u^3 - u^2 + 1)(u^{66} - 2u^{65} + \dots - u^2 - 1)$
c_{11}	$u^3(u^{66} - 5u^{65} + \dots - 3108u + 392)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_5	$(y^3 + 3y^2 + 2y - 1)(y^{66} + 30y^{65} + \dots + 2y + 1)$
c_2	$(y^3 - 5y^2 + 10y - 1)(y^{66} + 14y^{65} + \dots + 14y + 1)$
c_3, c_4, c_{10}	$(y^3 - y^2 + 2y - 1)(y^{66} - 62y^{65} + \dots + 2y + 1)$
c_6, c_9	$((y - 1)^3)(y^{66} - 36y^{65} + \dots - 105155y + 2401)$
c_7	$2401(49y^3 - 57y^2 + 14y - 1)$ $\cdot (49y^{66} + 2434y^{65} + \dots - 82043766y + 998001)$
c_8	$2401(49y^3 + 13y^2 + 3y - 1)$ $\cdot (49y^{66} + 880y^{65} + \dots - 442127y + 58081)$
c_{11}	$y^3(y^{66} - 21y^{65} + \dots - 925904y + 153664)$